

Attorney Docket No.:       **DEX-0172**  
Inventors:                   **Salceda et al.**  
Serial No.:                  **09/763,978**  
Filing Date:                **April 25, 2001**  
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This listing of the claims will replace all prior versions and listings of claims in the application:

**Listing of the claims:**

Claims 1-13 (canceled)

Claim 14 (previously presented): An isolated antibody or antibody fragment that binds specifically to a protein encoded by polynucleotide sequence SEQ ID NO:1.

Claim 15-20 (canceled)

Claim 21 (previously presented): The isolated antibody or antibody fragment of claim 14 wherein the antibody is a monoclonal antibody.

Claim 22 (previously presented): The isolated antibody or antibody fragment of claim 14 wherein the antibody or antibody fragment is attached to a reagent selected from the group consisting of radioactive reagents, fluorescent reagents and enzymatic reagents.

Claim 23 (previously presented): The isolated antibody or antibody fragment of claim 22 wherein the enzymatic reagent is horseradish peroxidase or alkaline phosphatase.

Claim 24 (previously presented): The isolated antibody or antibody fragment of claim 14 wherein the antibody or antibody fragment specifically binds to protein in cells, tissues, tissue extracts or bodily fluids.

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Claim 25 (previously presented): The isolated antibody or antibody fragment of claim 24 wherein the antibody is a monoclonal antibody.

Claim 26 (previously presented): The isolated antibody or antibody fragment of claim 24 wherein the bodily fluids are selected from the group consisting of blood, urine, saliva and bodily secretions.

Claim 27 (previously presented): The isolated antibody or antibody fragment of claim 26 wherein blood is whole blood, plasma, or serum.

Claim 28 (previously presented): A method for binding an antibody or antibody fragment to a protein encoded by polynucleotide sequence SEQ ID NO:1 on a cell comprising contacting the cell with an isolated antibody or antibody fragment that binds specifically to a protein encoded by polynucleotide sequence SEQ ID NO:1.

Claim 29-34 (canceled)

Claim 35 (previously presented): The method of claim 28 wherein the antibody is a monoclonal antibody.

Claim 36 (previously presented): The method of claim 28 wherein the antibody or antibody fragment is attached to

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a reagent selected from the group consisting of radioactive reagents, fluorescent reagents and enzymatic reagents.

Claim 37 (previously presented): The method of claim 36 wherein the enzymatic reagent is horseradish peroxidase or alkaline phosphatase.

Claim 38 (previously presented): An isolated antibody or antibody fragment which binds specifically to a fragment of a protein encoded by polynucleotide sequence SEQ ID NO:1, wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12 or 13.

Claim 39 (previously presented): The isolated antibody or antibody fragment of claim 38 wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12.

Claim 40 (previously presented): The isolated antibody or antibody fragment of claim 38 wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:13.

Claim 41 (previously presented): The isolated antibody or antibody fragment of claim 38 wherein the antibody is a monoclonal antibody.

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Claim 42 (previously presented): The isolated antibody or antibody fragment of claim 14 wherein the antibody or antibody fragment is attached to a cytotoxic agent.

Claim 43 (previously presented): The isolated antibody or antibody fragment of claim 42 wherein the cytotoxic agent is selected from the group consisting of drugs, toxins and radionuclides.

Claim 44 (previously presented): A method for binding an antibody or antibody fragment to a protein encoded by polynucleotide sequence SEQ ID NO:1 on a cell comprising contacting the cell with an isolated antibody or antibody fragment that binds specifically to a fragment of protein encoded by polynucleotide sequence SEQ ID NO:1, wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12 or 13.

Claim 45 (previously presented): The method of claim 44 wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12.

Claim 46 (previously presented): The method of claim 44 wherein the fragment of protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:13.

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Claim 47 (previously presented): The method of claim 44 wherein the antibody is a monoclonal antibody.

Claim 48 (previously presented): The method of claim 28 wherein the isolated antibody or antibody fragment is attached to a cytotoxic agent.

Claim 49 (previously presented): The method of claim 48 wherein the cytotoxic agent is selected from the group consisting of drugs, toxins and radionuclides.